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Position géographique des principaux points de la Triangulation des Californies et des côtes de l'Océan Pacifique du Mexique par le Comte Vincent Piccolomini.

	Latitude.	Longitude calculée de Greenwich.
Volianos de las Virgenes.....	29 9' 14"35	121 46 30"82
Cap S. Lucas (Basse californie)	23 08 35-27	109 82 15-04
Monterrey (Haute californie)	36 58 17-85	121 46 53-09
Guaymas (Département de Sonora)	27 55 00-18	111 45 37-42
Matamoras (Texas)	25 59 22-07	97 54 18-76
Id. Id. Barra grande de S. Yayo	26 30 27-15
Id. Id. Barra del Rio	25 53 03-11
Bejar (Texas)	29 74 88-93	98 85 17-74
Mine d'or de S. Yago de los Caballeros	25 13 77-04	106 67 15-87
Vulians de Tuxtla	18 47 25-91	94 07 43-11
Namampateptl (Province de Vera Cruz)	19 21 48-71	...
Bahia de San Francisco (au cap los Reyex dans la haute Californie)	37 59 17-29	122 37 13-04
Port de San Blas, tour de l'église (guadalajara) ..	21 67 05-54	105 43 17-28
Volcanos de Colima.....	19 03 45-17	103 21 47-04

N.B. L'instrument employé pour déterminer les Longitudes était un Chronomètre de O. H. Bestor ; pour la mesure des triangles de premier ordre je me servis d'un théodolite de dix pouces de diamètre sortant des ateliers de Munchi, pourvu de quatre verniers et donnant 10". Les élévations du sol furent déterminées par des observations barométriques faites avec soin, souvent répétées et déduites par le moyen d'observations correspondants ; elles furent calculées d'après la méthode d'Oltmanns et vérifiées par celles du Baron Zach. —V.P.

" Report on the co-operation of the Russian and German observers, in a system of simultaneous Magnetical Observations." By the Rev. H. Lloyd, F.R.S., in a letter addressed to Sir John F. W. Herschel, Bart., V.P.R.S. Communicated by Sir John Herschel.

" On Magnetical Observations in Germany, Norway, and Russia." By Major Sabine, R.A., V.P.R.S., in a letter to Baron von Humboldt, For. Mem. R.S., dated Oct. 24th, 1839.

These letters relate to communications which Professor Lloyd and Major Sabine have had, conformably to a resolution of the Council of the Royal Society, with the scientific authorities at Göttingen, Berlin, and St. Petersburg, respecting the organization of a simultaneous system of magnetical observations. It appears, from these letters, that the system proposed by the Royal Society is viewed with general interest and approbation ; and nineteen stations are enumerated at which there is reason to expect that magnetical observatories, acting in concert, on that system, will be established.